

# INTERNATIONAL SEARCH REPORT

International Application No  
**PC/EP2004/052565**

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C08G73/00 C08G61/00 C09K11/00 C09K11/06 H05B33/00  
H05B33/14 H01L51/00 H01L51/30

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C08G C09K H05B H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 078 970 A (CIBA SC HOLDING AG) 28 February 2001 (2001-02-28) page 3, line 3 - page 12, line 19; claims 1-6; examples 1-13	1-14
X	US 6 451 459 B1 (TIEKE BERND ET AL) 17 September 2002 (2002-09-17) cited in the application column 1, line 5 - column 13, line 11; claims 1-9; examples 1-13 ----- -/--	1-14

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \* & \* document member of the same patent family

Date of the actual completion of the international search

16 March 2005

Date of mailing of the international search report

01/04/2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>CHAN W-K ET AL: "RATIONAL DESIGNS OF MULTIFUNCTIONAL POLYMERS" JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, AMERICAN CHEMICAL SOCIETY, WASHINGTON, DC, US, vol. 115, no. 25, 1993, pages 11735-11743, XP000652156 ISSN: 0002-7863 cited in the application page 11735 - page 11743</p>	1-14
X	<p>LUPING YU ET AL: "CONJUGATED PHOTOREFRACTIVE POLYMER" APPLIED PHYSICS LETTERS, AMERICAN INSTITUTE OF PHYSICS. NEW YORK, US, vol. 64, no. 19, 9 May 1994 (1994-05-09), pages 2489-2491, XP000449535 ISSN: 0003-6951 cited in the application page 2489 - page 2491</p>	1-14
X	<p>BAO ET AL: "Exploration of the Stille Coupling Reaction for the Synthesis of Functional Polymers" JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, AMERICAN CHEMICAL SOCIETY, WASHINGTON, DC, US, vol. 117, no. 50, 1995, pages 12426-12435, XP002127197 ISSN: 0002-7863 cited in the application page 12426 - page 12435</p>	1-14
X	<p>HORN M ET AL: "Synthesis and characterisation of thermomesogenic polysiloxanes with 2,5-dihydropyrrolo[3,4-c]pyrrole-1,4-dione units in the main chain" EUROPEAN POLYMER JOURNAL, PERGAMON PRESS LTD. OXFORD, GB, vol. 38, no. 11, November 2002 (2002-11), pages 2197-2205, XP004378345 ISSN: 0014-3057 cited in the application page 2197 - page 2205</p>	1-14

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/052565

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1078970	A	28-02-2001	EP 1078970 A1	28-02-2001
			DE 60008981 D1	22-04-2004
			DE 60008981 T2	12-08-2004
			JP 2001098054 A	10-04-2001
			US 6451459 B1	17-09-2002
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			DE 60008981 T2	12-08-2004
			EP 1078970 A1	28-02-2001
			JP 2001098054 A	10-04-2001